**Proximity switch, inductive, 1 N/C, Sn=5mm, 2L, 20-250VAC, M18, insulated material, line 2m**

| | |
|---|---|
| Part no. | **E55CBL18A2** |
| Article no. | **135839** |
| Catalog No. | **E55CBL18A2** |

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## Delivery program

| | | | |
|---|---|---|---|
| Basic function | | | Inductive Sensors |
| Product range | | | E55 Limit Switch Style Series |
| Connection | | | 2-wire |
| Design (outer dimensions) | | mm | M18 x 1 |
| Rated operational voltage | $U_e$ | | 20 - 250 V AC |
| Rated switching distance | $S_n$ | mm | 5 |
| Type of mounting | | | Flush |
| For connection of: | | | 2 m connection cable |
| **Contacts** | | | |
| N/C = Normally closed | | | 1 NC |
| Material | | | Insulated material |
| Degree of Protection | | | IP66 |

## Technical data

### General

| | | | |
|---|---|---|---|
| Standards | | | IEC/EN 60947-5-2 |
| Ambient temperature | | | -25 - +70 |
| Mechanical shock resistance | | g | 30 Shock duration 11 ms |
| Degree of Protection | | | IP66 |

### Characteristics

| | | | |
|---|---|---|---|
| Rated switching distance | | | |
| Rated switching distance | $S_n$ | mm | 5 |
| Repetition accuracy of $S_n$ | | % | 10 |
| Temperature drift of $S_n$ | | % | 10 |
| Switching hysteresis of $S_n$ | | % | 20 |
| Rated operational voltage | $U_e$ | | 20 - 250 V AC |
| Supply frequency | | | 50 - 60 |
| Residual ripple of $U_e$ | | % | 10 |
| Maximum load current | $I_e$ | mA | < 150 |
| Operating current in the switched state at 24 V DC | $I_b$ | mA | 3 |
| Voltage drop at $I_e$ | $U_d$ | V | 10 |
| Switching Frequency | | Hz | 25 |
| Switching state display | | LED | Red |
| Protective functions | | | Short-circuit protective device Protection against polarity reversal |
| Connection | | | 2-wire |
| Contacts | | | |
| N/C = Normally closed | | | 1 NC |
| Style | | | |
| Design (outer dimensions) | | mm | M18 x 1 |
| For connection of: | | | 2 m connection cable |
| Material | | | Insulated material |

## Design verification as per IEC/EN 61439

| | | | |
|---|---|---|---|
| Technical data for design verification | | | |
| Operating ambient temperature min. | | °C | -25 |
| Operating ambient temperature max. | | °C | 70 |

# Approvals

| | | |
|---|---|---|
| Product Standards | | CE marking |
| Max. Voltage Rating | | 250 V AC |
| Degree of Protection | | IEC: IP66; UL/CSA: NEMA 4, 4X, 13 |

# Dimensions

LED

M18x1

45 mm (1.77")

55 mm (2.17")
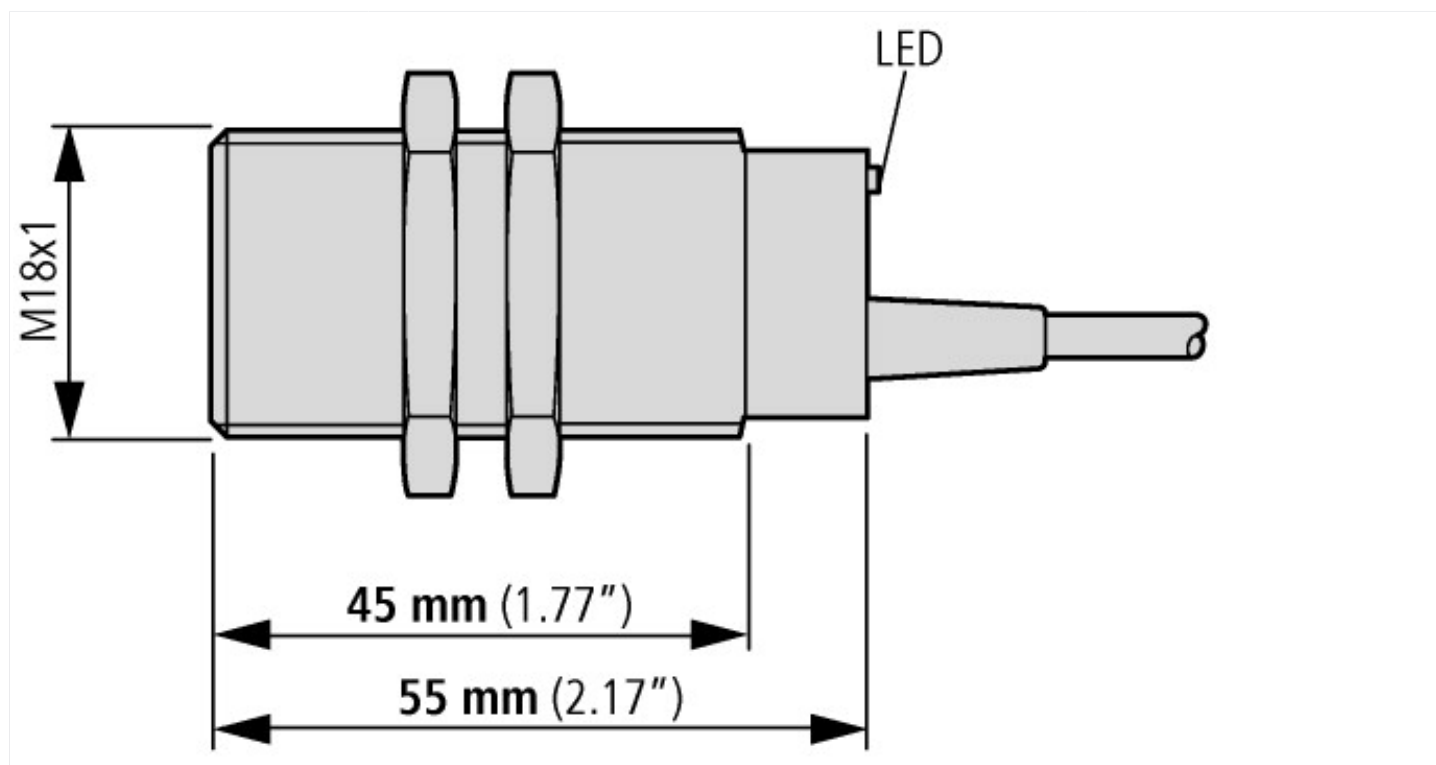
# Additional product information (links)

| IL05301005Z E55 Series Barrel-Style Inductive Sensors | |
|---|---|
| IL05301005Z E55 Series Barrel-Style Inductive Sensors | ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL05301005Z2016_07.pdf |